In the Claims:

(a) Please cancel claims 1-13, 21-26, 28 and 29, without prejudice to or disclaimer of the subject matter contained therein. Applicants reserve the right to prosecute the subject matter of these claims in one or more continuing and/or divisional applications.

(b) Please enter the following new claims 30-43:

30. (New) The method of claim 14, wherein said recombination sites are not restriction sites.

31. (New) The method of claim 16, wherein said first and second recombination sites are not restriction sites.

32. (New) The method of claim 14, wherein said first and second recombination sites are site-specific recombination sites.

33. (New) The method of claim 16, wherein said first and second recombination sites are site-specific recombination sites.

34. (New) The method of any one of claims 30-33, wherein said recombination sites are selected from the group consisting of *lox*P, *att*B, *att*P, *att*L, *att*R, FRT, a recombination site recognized by a resolvase, a bacterial transposable element, an integrating virus, an IS element, a P element of *Drosophila*, a bacterial virulence factor and a mobile genetic element for a eukaryotic organism, or mutants or derivatives thereof.

35. (New) The method of any one of claims 30-33, wherein said recombination sites are selected from the group consisting of *lox*P, *att*B, *att*P, *att*L, *att*R, FRT, a recombination site recognized by a resolvase, a bacterial transposable element, an integrating virus, an IS element, a P element of *Drosophila*, a bacterial virulence factor and a mobile genetic element for a eukaryotic organism.

36. (New) The method of any one of claims 30-33, wherein at least one of said first and said second recombination sites is an *att* site or a mutant or derivative thereof.

37. (New) The method of any one of claims 30-33, wherein at least one of said first and said second recombination sites is an *att* site.

38. (New) The method of claim 36, wherein said *att* site is selected from the group consisting of *att*B, *att*P, *att*L and *att*R, or a mutant or derivative thereof.

39. (New) The method of claim 37, wherein said *att* site is selected from the group consisting of *att*B, *att*P, *att*L and *att*R.

#2

40. (New) The method of any one of claims 30-33, wherein at least one of said first and said second recombination sites is a *lox* site or a mutant or derivative thereof.

41. (New) The method of any one of claims 30-33, wherein at least one of said first and said second recombination sites is a *lox* site.

42. (New) The method of claim 40, wherein said *lox* site is a *lox*P site or a mutant or derivative thereof.

43. (New) The method of claim 41, wherein said *lox* site is a *lox*P site.

a2 cont

(c) Please amend claim 16 as follows:

Please substitute the following claim 16 for currently pending claim 16:

16. (Once amended) A method for producing a nucleic acid molecule or a population of nucleic acid molecules comprising:

a3

inserting one or more integration sequences each comprising at least one recombination site into at least one nucleic acid molecule thereby producing a nucleic acid molecule comprising at least a first and a second recombination site; and

causing said at least first and second recombination sites to recombine via a recombinational cloning reaction.